

Design and Construction Standards

City of Round Rock, Texas Drainage Criteria Manual

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CITY OF ROUND ROCK DRAINAGE CRITERIA MANUAL

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Drainage Criteria Manual

[PREFACE](#)

PREFACE

The rules and design criteria contained herein shall be known as the City of Round Rock Design and Construction Standards (DACS) - Drainage Criteria Manual (Manual). The purpose of this Manual is to establish standard principles and practices for the design and construction of drainage systems within the City of Round Rock, Texas (City) and within its extra territorial jurisdiction. The design factors, formulae, graphs and procedures are intended for use only as engineering guides in the solution of drainage problems involving determination of the quantity, rate of flow, method of collection, storage, conveyance and disposal of storm water. Responsibility for actual design remains primarily with the design engineer. Users of this manual should be knowledgeable and experienced in the theory and application of drainage engineering.

In preparing this manual, we relied on The City of Austin Drainage Criteria Manual. We wish to recognize The City of Austin staff, who, through their efforts, have helped shape the City of Round Rock's drainage policy in the past. To them we say "Thank You."

SPECIFIC DESIGN CRITERIA:

The design engineer shall prepare construction drawings not only in conformation to City requirements and accepted engineering practice, but also with consideration of future maintenance and operational concerns.

The following are specific criteria the design engineer shall use in his/her design. Where conflict exists between State or Federal codes and City criteria, the more restrictive shall govern.

Methods of design other than those indicated herein may be considered in those cases where experience indicates they are appropriate. However, any variations from the practices established herein must have the expressed written approval of the City Engineer or his designated representative.

This manual represents the application of accepted principles of surface drainage engineering and is complementary to basic information obtainable from standard references on hydrology, hydraulics and water resources. It is presented in a format that assists in the logical development of solutions to the problems of storm drainage.